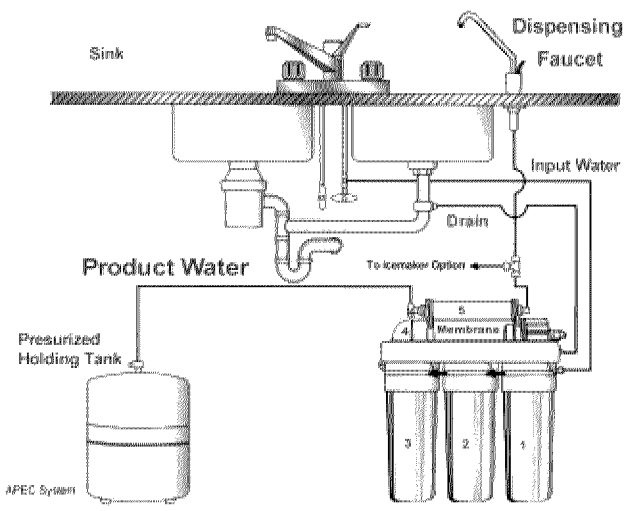
RE: Proposal for resampling at Dimock
Richard Rupert to: Graves, Suddha
Cc: richard.fetzer, kelley.chase
04/30/2012 07:11 PM

From: Richard Rupert/R3/USEPA/US
To: "Graves, Suddha" <Sgraves@TechLawInc.com>,
Cc: richard.fetzer@epa.gov, kelley.chase@epa.gov

I think it was you who sent me a picture of [redacted] sampling that showed the small (1/4 tubing) tap next to the regular sink faucet that provided RO water.



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"The commander in the field is always right and the rear echelon is wrong, unless proved otherwise."
Colin Powell

From: "Graves, Suddha" <Sgraves@TechLawInc.com>
To: Richard Rupert/R3/USEPA/US
Cc: Kelley Chase/R3/USEPA/US@EPA, Richard Fetzer/R3/USEPA/US@EPA
Date: 04/30/2012 02:59 PM
Subject: RE: Proposal for resampling at Dimock

I am not knowledgeable on RO systems but to me if the RO systems are all tied into the plumbing after any treatment system (i.e. filters, water softeners, etc) then the water from the kitchen tap should be the same as the water from the RO system (with the obvious exception of the RO treatment). If the RO system is to remove or filter out metals , then I would recommend we collect our full suite of sample from the kitchen sink and just a metals sample from the RO. You could collect the full suite from the RO , but based on the 1 gallon per hour production rate , it would take a long time to collect each RO sample .

Suddha Graves
TechLaw, Inc.

From: Richard Rupert [mailto:Rupert.Richard@epamail.epa.gov]
Sent: Monday, April 30, 2012 2:03 PM
To: Graves, Suddha
Cc: Kelley Chase; Richard Fetzer
Subject: RE: Proposal for resampling at Dimock

You won't be collecting rad from the RO nor would dissolved gas be necessary. Bacteria is a toss up for me. I could see how it might be useful, but I am thinking it is not necessary...

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From: "Graves, Suddha" <Sgraves@TechLawInc.com>
To: Richard Fetzer/R3/USEPA/US@EPA

DIM0250221

Cc: Kelley Chase/R3/USEPA/US@EPA, Richard Rupert/R3/USEPA/US
Date: 04/30/2012 01:59 PM
Subject: RE: Proposal for resampling at Dimock

Full metals analysis would require (one 500 ml bottle for total metals, and one 500 ml bottle for dissolved metals). Total 1 Liter. If we want to collect just metals analysis from the RO system, that is doable. I was under the impression that you had wanted a full suite of analysis (metals, anions, dissolved gas, Rad, bacteria, etc...) from the RO system, not just the metals.
So, we will collect a total and dissolved metals analysis from each RO system we encounter, correct? This will be in addition to the full suite of analysis we collect from the wellhead and the kitchen tap, correct?

Suddha Graves
TechLaw, Inc.

From: Richard Fetzer [mailto:Fetzer.Richard@epamail.epa.gov]
Sent: Monday, April 30, 2012 1:30 PM
To: Graves, Suddha
Cc: Kelley Chase; Richard Rupert
Subject: RE: Proposal for resampling at Dimock

How many jars do you need for full metals analysis? I don't care about splits....they can just to the wellhead, if they want. I want a full metal analysis of the water they are drinking.

Richard M. Fetzer
Federal On-Scene Coordinator
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(215) 341-6307

From: "Graves, Suddha" <Sgraves@TechLawInc.com>
To: Kelley Chase/R3/USEPA/US@EPA
Cc: Richard Fetzer/R3/USEPA/US@EPA, Richard Rupert/R3/USEPA/US
Date: 04/30/2012 01:09 PM
Subject: RE: Proposal for resampling at Dimock

Hi Kelley,
This past Friday I know we had discussed sampling reverse osmosis (RO) systems that we encounter during round 2 sampling. I looked into the previous RO sample that was collected in the first round. It was HW39-RO collected on 2/3/12 and was only analyzed for metals analysis. The logbook noted that the RO system was to remove barium and that it only produces 1 gallon per hour. Due to the low water production, no purging could be accomplished from the RO system and filling all the appropriate sample jars for a full sample would be very time consuming (especially if splits are needed). At that particular residence (HW39) a wellhead sample and a kitchen faucet sample was collected for the full suite on analysis. I want to check with you to verify that you want a complete sample collected from each RO system we encounter.
Thanks,

Suddha Graves
TechLaw, Inc.

From: Kelley Chase [mailto:Chase.Kelley@epamail.epa.gov]
Sent: Friday, April 27, 2012 12:02 PM
To: Graves, Suddha
Cc: Richard Fetzer; Richard Rupert
Subject: RE: Proposal for resampling at Dimock

Suddha -

As discussed - additional info for the re-sampling of the 15 locations.

- Kelley